

What is claimed is:

1. A method of forming an article of wear, comprising:
forming at least one electronic component on a fiber;\ninterlacing the fiber with other fibers to form a piece of fabric; and
forming an article of wear with the fabric.
2. The method of forming an article of wear recited in claim 1, wherein the at least one electronic component is deposited on the fiber by spraying stock materials at the fiber through a laser.
3. The method of forming an article of wear recited in claim 1, further comprising:
forming a substrate over a surface of the fiber,
wherein the at least one electronic component is formed over the substrate.
4. The method of forming an article of wear recited in claim 1, further comprising:
forming a protective layer over the at least one electronic component.
5. The method of forming an article of wear recited in claim 4, wherein the protective layer is a layer of insulative material.
6. The method of forming an article of wear recited in claim 4, wherein the protective layer is a layer of shield material.
7. The method of forming an article of wear recited in claim 1, further comprising:
forming an insulative layer over the at least one electronic component.
8. The method of forming an article of wear recited in claim 1, further comprising:
forming a shield layer over the at least one electronic component.

SKzesac
Laser
4323756
4724299

9. The method of forming an article of wear recited in claim 1, wherein the at least one electronic component is a transistor.

10. The method of forming an article of wear recited in claim 1, wherein the at least one electronic element is an antenna element.

11. The method of forming an article of wear recited in claim 1, wherein the at least one electronic element is a capacitor.

✓ 12. An article of wear, comprising:
a piece of clothing material; and
at least one electrical component formed over a surface of the piece of clothing material.

✓ 13. The article of wear recited in claim 12, further comprising:
a substrate formed on the surface of the piece of clothing material;
wherein the at least one electrical component is formed over the substrate.

✓ 14. The article of wear recited in claim 12, further comprising:
a protective layer formed over the at least one electronic component.

✓ 15. The article of wear recited in claim 14, wherein the protective layer is a layer of insulative material.

✓ 16. The article of wear recited in claim 14, wherein the protective layer is a layer of shield material.

✓ 17. The article of wear recited in claim 12, further comprising:
an insulative layer formed over the at least one electronic component.

- ✓ 18. The article of wear recited in claim 12, further comprising:
a shield layer formed over the at least one electronic component.
- ✓ 19. The article of wear recited in claim 12, wherein the at least one electronic component is a transistor.
- ✓ 20. The article of wear recited in claim 12, wherein the at least one electronic element is an antenna element.
- ✓ 21. The article of wear recited in claim 12, wherein the at least one electronic element is a capacitor. *Fig 15 & 16*
- ✓ 22. The article of wear recited in claim 12, wherein
the clothing material is a fabric woven from a plurality of fibers, and
the at least one electrical component is formed over a surface of one of the plurality of fibers.
23. The article of wear recited in claim 12, wherein the clothing material is a natural or synthetic leather. *- Carroll*
- ✓ 24. The article of wear recited in claim 12, wherein the clothing material is a plastic.
- ✓ 25. The article of wear recited in claim 12, wherein the clothing material is a composite foam.